

ABSTRACT

A method for operating a gas-generation device, which comprises a partial oxidation reactor with a downstream steam reformer, includes in order to start the gas-generation device, a quantity of air in all the operating phases is set in such a way that oxygen levels in the partial oxidation product gas caused by unburnt air constituents are minimized. Furthermore, an adiabatic, catalytic after-treatment stage, in which oxygen constituents of the partial oxidation product gas are converted, is connected between the partial oxidation reactor and the steam reformer.

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